

# Converting Colors

XYZ(65.0731, 62.2506, 35.7800)

Have a look what the booklet for  
XYZ(65.0731, 62.2506, 35.7800)  
contains.

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# Color

**XYZ(65.0731, 62.2506,  
35.7800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCC492
RGB	252, 196, 146
RGB Percent	99%, 77%, 57%
CMY	0.0118, 0.2313, 0.4274
CMYK	0.00, 0.22, 0.42, 0.01
HSL	28°, 95%, 78%
HSV	28°, 42%, 99%
XYZ	65.0731, 62.2506, 35.7800
YIQ	207.0440, 49.4260, -3.6780

# Conversions

## Conversions Part 2

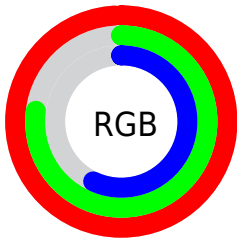
Format	Color
R <sub>Y</sub> B	252, 241, 146
Decimal	16565394
CIE Lab	83.05, 13.76, 32.76
CIE LCh	83, 35.527, 67.219
Yxy	62.2506, 0.3990, 0.3817
Android (android.graphics.Color)	4294755474 (0xFFFC492)
YUV	207.0440, -30.0947, 39.4264
Hunter-Lab	78.8990, 9.1470, 28.3419

# Details

The XYZ color **65.0731, 62.2506, 35.7800** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.5445, 55.3783, 100.1204**, and the grayscale version is **59.5034, 62.6022, 68.1738**.

A 20% lighter version of the original color is **86.7906, 95.6807, 68.5374**, and **33.7309, 31.5097, 15.1306** is the 20% darker color. If you saturate the color by 10%, you get **60.4544, 55.8121, 25.6121**, and if you desaturate by 10%, it is **70.3934, 69.4007, 48.3146**.

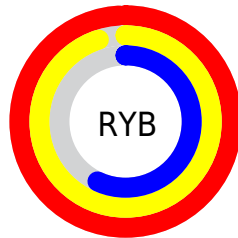
# Distribution



Red (99%)

Green (77%)

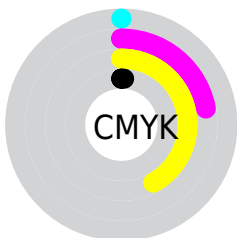
Blue (57%)



Red (99%)

Yellow (95%)

Blue (57%)

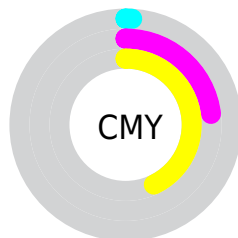


Cyan (0%)

Magenta (22%)

Yellow (42%)

Black (1%)



Cyan (1%)

Magenta (23%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0731, 62.2506, 35.7800 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.0731, 62.2506, 35.7800 by changing the saturation by 10% instead.





 65.0731, 62.2506,  
35.7800

 65.0731, 62.2506,  
35.7800


432.5957,  
432.8446, 343.0062

 47.7853, 45.2352,  
23.9760


 111.2201,  
108.0876, 69.8576

 33.8674, 31.6427,  
15.1038


 140.8099,  
137.6781, 92.9682

 22.9542, 21.0888,  
8.7448

175.2312,  
172.2290, 120.6848

 14.6802, 13.1889,  
4.4806

214.8492,  
212.1248, 153.4260

 8.6801, 7.5588,  
1.8925

260.0293,  
257.7499, 191.6101

 4.5885, 3.8139,  
0.4880

311.1368,

 2.0402, 1.5700,

309.4886, 235.6558

0.0000

368.5372,  
367.7254, 285.9817

■ 0.6564, 0.3373,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.0731, 62.2506,  
35.7800

■ 65.0731, 62.2506,  
35.7800

■ 60.4544, 55.8121,  
25.6121

■ 70.3934, 69.4007,  
48.3146

■ 56.4971, 50.0512,  
17.6536

■ 76.4434, 77.2772,  
63.3517

■ 53.1634, 44.9434,  
11.7340

■ 83.2551, 85.9056,  
81.0212

■ 50.4087, 40.4591,  
7.6556

■ 90.8570, 95.3071,  
101.4429

■ 48.1804, 36.5645,  
5.1802

93.9548, 99.4354,  
108.8487

■ 46.7275, 33.8608,  
4.0730

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7267, 62.2506, 45.2774



65.0731, 62.2506, 35.7800



57.3305, 62.2506, 33.8783

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.0731, 62.2506, 35.7800



45.6898, 62.2506, 73.2365



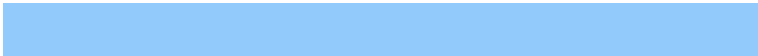
68.5591, 62.2506, 107.3568

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.0731, 62.2506, 35.7800



50.5445, 55.3783, 100.1204

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.0430, 62.2506, 119.0060



65.0731, 62.2506, 35.7800



48.1669, 62.2506, 96.7230

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.0731, 62.2506, 35.7800



46.5667, 62.2506, 52.6842



53.6301, 62.2506, 114.7433



73.8578, 62.2506, 85.5155



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.0731, 62.2506, 35.7800



52.6650, 62.2506, 36.6919



53.6301, 62.2506, 114.7433



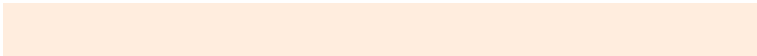
66.1840, 62.2506, 112.7879

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65.0747, 62.2536, 35.7812



84.8305, 87.3775, 81.3964



61.1480, 45.5434, 61.7772



17.8153, 18.2724, 16.5255



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0747, 62.2536, 35.7812



63.0116, 58.6217, 28.2440



79.0443, 90.1928, 40.4378



17.9199, 18.5756, 18.1034



24.4859, 17.9285, 2.1700

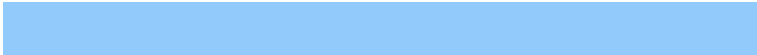


2.3730, 1.8709, 0.2360

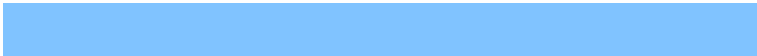


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.5445, 55.3783, 100.1204



46.3590, 50.7344, 101.9571



40.2574, 34.8041, 96.6914



17.0420, 18.1609, 21.9925



13.6794, 12.7143, 49.7067



1.3731, 1.3899, 4.6391



# Previews

## White Background



This preview shows how the XYZ color 65.0731, 62.2506, 35.7800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0731, 62.2506, 35.7800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

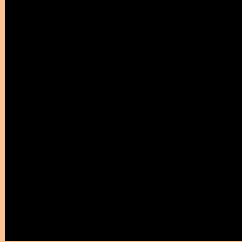
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.0731, 62.2506, 35.7800

## Background



This preview shows how black text looks on a background with the XYZ color 65.0731, 62.2506, 35.7800.



This preview shows how white text looks on a background with the XYZ color 65.0731, 62.2506,

35.7800.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

65.0731, 62.2506, 35.7800

### Protanopia

58.3302, 62.5480, 38.2768

### Deuteranopia

63.7402, 62.2376, 35.8477



## Tritanopia

70.4329, 62.3987, 64.8318

# Trichromacy



## Original Color

65.0731, 62.2506, 35.7800

## Protanomaly

60.7124, 62.3742, 37.2733

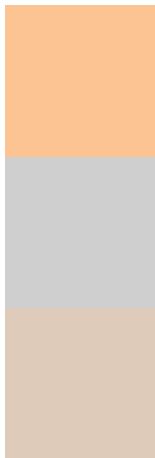
## Deuteranomaly

64.2215, 62.1476, 35.8050

## Tritanomaly

68.1662, 62.1475, 52.6589

# Monochromacy



## Original Color

65.0731, 62.2506, 35.7800

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

60.5443, 61.9026, 54.6563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0731, 62.2506, 35.7800 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(252, 196, 146)` looks like.

```
.text, #text, p{  
    color:rgb(252, 196, 146)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(252, 196, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 196, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0731, 62.2506, 35.7800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(252, 196, 146) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(252, 196, 146) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(252, 196, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 196, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 196, 146);  
box-shadow:4px 4px 4px 4px rgb(252, 196,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0731, 62.2506, 35.7800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 196, 146) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(252,  
196, 146) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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